Title (en)

TREATMENT FOR HYDROCEPHALUS

Title (de)

BEHANDLUNG VON HYDROCEPHALUS

Title (fr)

TRAITEMENT POUR L'HYDROCÉPHALIE

Publication

EP 3773221 A4 20210915 (EN)

Application

EP 19795875 A 20190503

Priority

- US 201862666636 P 20180503
- US 2019030726 W 20190503

Abstract (en)

[origin: US2019336735A1] A shunt system used to treat excess cerebrospinal fluid (CSF) accumulation is described. In some embodiments, the system utilizes various mechanical, electrical, or electromechanical concepts designed to either clean a portion of the shunt system, or customize CSF drainage.

IPC 8 full level

A61B 6/12 (2006.01); **A61B 18/14** (2006.01); **A61M 39/24** (2006.01)

CPC (source: CN EP US)

A61L 29/085 (2013.01 - US); **A61L 29/148** (2013.01 - US); **A61L 31/10** (2013.01 - EP); **A61M 25/007** (2013.01 - US); **A61M 27/006** (2013.01 - CN EP US); A61M 25/0074 (2013.01 - US); A61M 2025/0019 (2013.01 - US); A61M 2205/0238 (2013.01 - US); A61M 2205/3341 (2013.01 - US); A61M 2210/0693 (2013.01 - US)

C-Set (source: EP)

1. **A61L 31/10** + **C08L 67/04**
2. **A61L 31/10** + **C08L 77/12**
3. **A61L 31/10** + **C08L 33/14**

Citation (search report)

- [Y] EP 3315162 A1 20180502 - INTEGRA LIFESCIENCES SWITZERLAND SARL [CH]
- [Y] US 2016287848 A1 20161006 - SAMOOCHA OR [IL], et al
- [Y] US 2004236309 A1 20041125 - YANG BENSON [US]
- [Y] US 2008167712 A1 20080710 - DESNOYER JESSICA RENEE [US], et al
- [Y] DATABASE WPI Week 201214, Derwent World Patents Index; AN 2012-B63469, XP002802904
- [Y] DATABASE WPI Week 201232, Derwent World Patents Index; AN 2012-E90290, XP002802905
- See also references of WO 2019213613A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 11464952 B2 20221011; **US 2019336735 A1 20191107**; CN 112399827 A 20210223; CN 112399827 B 20221018; CN 115414583 A 20221202; EP 3773221 A1 20210217; EP 3773221 A4 20210915; JP 2021514801 A 20210617; JP 2022088375 A 20220614; JP 2024016162 A 20240206; JP 7381628 B2 20231115; US 2023017481 A1 20230119; WO 2019213613 A1 20191107

DOCDB simple family (application)

US 201916403360 A 20190503; CN 201980045046 A 20190503; CN 202211126404 A 20190503; EP 19795875 A 20190503; JP 2020561700 A 20190503; JP 2022030746 A 20220301; JP 2023188306 A 20231102; US 2019030726 W 20190503; US 202217935882 A 20220927